

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	317	laser with nozzle with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:28
S2	36	laser with nozzle with window with (aperture hole passage\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 08:46
S3	22	laser with nozzle with window with (aperture hole passage\$3) and (window near5 (aperture hole passage\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:57
S4	1196	laser with window with (aperture hole passage \$3) and (window near5 (aperture hole passage \$3)) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 14:54
S5	1024	laser with (window near5 (aperture hole passage \$3)) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 14:54
S6	544	(laser near5 (aperture hole passage)) with (window near5 (aperture hole passage\$3)) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 14:54
S7	393	(laser near5 (aperture hole passage)) with (window near5 (aperture hole passage\$3)) with (laser near5 window) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 14:56
S8	18	(laser near5 (aperture hole passage)) with (window near5 (aperture hole passage\$3)) with (laser near5 window) same (particulate debris particle spatter drop droplet) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:08
S9	103	(laser near5 through) with (aperture near5 through) with (window near5 through)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:24

S10	16	(laser near5 through) with (aperture near5 through) with (window near5 through) and knowles.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:23
S12	13	(laser near5 through) with ((aperture near5 through) near7 (window near5 through)) and knowles.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:23
S13	87	S9 not S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:25
S14	4406	"18" and (window with (particle particulate debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:26
S15	17	S13 and (window with (particle particulate debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 15:47
S16	9	("3617108" "3696230" "4025787" "4179599" "5214921" "5756962" "5837960" "5897550" "5898522").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 15:30
S17	37	laser with protect\$4 with (window with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:40
S18	0	laser with nozzle with protect\$4 with (window with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:02
S19	5	laser with nozzle with protect\$4 with (particle particulate shrapnel debris)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:03
S20	0	laser with screen with nozzle with protect\$4 with (particle particulate shrapnel debris)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:05
S21	0	laser same screen with nozzle with protect\$4 with (particle particulate shrapnel debris)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:05
S22	1	laser same (screen with nozzle) same (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:06

S23	31	(screen with nozzle) same (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:06
S24	12	(screen\$4 near5 nozzle) same (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:08
S25	0	((filter\$4 screen\$4) near5 nozzle) with laser) same (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:08
S26	0	((filter\$4 screen\$4) near5 nozzle)) same laser same (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:09
S27	4	((filter\$4 screen\$4 protect\$4) near5 nozzle)) same laser same (protect \$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:11
S28	40	((filter\$4 screen\$4 protect\$4) near5 nozzle)) and (laser with nozzle) and (protect\$4 with (particle particulate shrapnel debris))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:11
S29	699	219/121.73.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:40
S30	196	S29 and (beam with (hole aperture))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:40
S31	147	S29 and (beam near5 (hole aperture))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:41
S32	75	S29 and (beam near5 (hole aperture) with (filter \$4 chang\$4 alter\$4 size diameter))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:45
S33	4	S29 and (beam near5 (hole aperture) with (filter \$4 chang\$4 alter\$4 size diameter) with nozzle)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 16:45

S34	24	laser with nozzle with window with (aperture hole passage\$3) not lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/28 09:44
S35	1	("4059067").PN.	USPAT; USOCR	OR	OFF	2005/10/28 09:44
S36	1	("6683277").PN.	USPAT; USOCR	OR	OFF	2006/05/16 11:34
S37	8	((("3617108") or ("3696230") or ("4025787") or ("4179599") or ("5214921") or ("5756962") or ("5837960") or ("5897550"))).PN.	USPAT; USOCR	OR	OFF	2006/05/18 10:08
S38	327	laser with nozzle with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:01
S39	65	S38 and (window with (aperture hole passage \$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:55
S40	3	"2002310849"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:24
S41	3	S39 and (debris with (aperture hole passage \$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:31
S42	10	S39 and (prevent\$4 with (aperture hole passage \$3)) not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:32
S43	2	"2002283090"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:57
S44	2	"2000351089"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 09:57
S45	50	S38 and organic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:00
S46	3	S38 and organic\$4 with ablat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:01

S47	51	laser with nozzle and (ablat\$4 with organic\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:01
S48	20	(laser with nozzle) and (ablat\$4 with organic\$4) and debris	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:02
S49	6	(laser with nozzle) and (ablat\$4 with organic\$4) and (debris same nozzle)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:14
S50	2	"20050189331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:19
S51	11	S39 and channel with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:15
S52	1	S50 and channel with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:14
S53	1	S52 and channel with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:15
S54	1	"20050189331" and channel with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:17
S55	1	"20050189331" and cover \$4 with aperture with transparent\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:54
S56	6	lens with cover\$4 with transparent\$4 with remov \$4 with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:25
S57	158	vacuum with (aperture hole opening) with cover \$4 with remov\$4 with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:26
S58	107	vacuum with ((aperture hole opening) near5 cover\$4) with remov\$4 with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:26
S59	56	vacuum with ((aperture hole opening) near5 cover\$4) with (remov\$4 near5 cover\$4) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:28

S60	2	vacuum with (plural\$4 near5 (aperture hole opening)) with ((aperture hole opening) near5 cover\$4) with (remov\$4 near5 cover\$4) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:29
S61	13	(plural\$4 near5 (aperture hole opening)) with ((aperture hole opening) near5 cover\$4) with (remov\$4 near5 cover\$4) with (clear\$4 clean\$4) not S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:33
S62	6	(plural\$4 near5 (aperture hole opening)) with ((aperture hole opening) near5 (film mask\$4 sheet)) with (remov\$4 near5 (film mask\$4 sheet)) with (clear\$4 clean\$4) not S60 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:35
S63	2	(plural\$4 near5 (aperture hole opening)) with mask \$3 with subsequent\$4 with (remov\$4 near5 (film mask\$4 sheet)) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:37
S64	2	(plural\$4 near5 (aperture hole opening)) with cover \$4 with subsequent\$4 with (remov\$4 near5 cover\$4) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:54
S65	70	(plural\$4 near5 (aperture hole opening)) with cover \$4 with plural\$4 with (tear remov\$4) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:55
S66	38	(plural\$4 near5 (aperture hole opening)) with (cover\$4 near5 (aperture hole opening)) with plural \$4 with (tear remov\$4) with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 10:59
S67	5	(plural\$4 near5 (aperture hole opening)) with (cover\$4 near5 (aperture hole opening)) with dispens\$4 with (clear\$4 clean\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:01

S68	3	(cover\$4 near5 (aperture hole opening)) with dispens\$4 with (transparent near5 cover \$4 with (film tape))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:03
S69	0	(cover\$4 near5 (aperture hole opening)) with dispens\$4 with (transparent near5 (film tape)) not S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:03
S70	2	(window with (aperture hole opening)) with dispens\$4 with (transparent near5 (film tape))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:04
S71	34	(window with (aperture hole opening)) with (transparent near5 (film tape)) with (covering near5 (aperture hole opening))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:09
S72	3	(window with (aperture hole opening)) with (transparent near5 (film tape)) with (covering near5 (aperture hole opening) with packag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:09
S73	0	(window with (aperture hole opening)) with (transparent near5 (film tape)) with (covering near5 (aperture hole opening) and (packag\$4 with pill))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:10
S74	0	(window with (aperture hole opening)) with (transparent near5 (film tape)) with (covering near5 (aperture hole opening) and (packag\$4 with tablet))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:10
S75	2	(window with (aperture hole opening)) with (transparent near5 (film tape)) with (covering near5 (aperture hole opening)) and (pill tablet medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:12
S76	9	(window with (aperture hole opening)) with (transparent with (covering near5 (aperture hole opening))) and (pill tablet medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:13

S77	5	(transparent with (covering near5 (aperture hole opening))) and (pill tablet medicine) with packag\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:13
S78	1	S50 and opaque	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:29
S79	0	S50 and (organic with light with diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:30
S80	0	S50 and (organic same light with diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:30
S81	0	S50 and (light near5 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:30
S82	0	S50 and (diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:30
S83	1	S50 and organic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:34
S84	0	S50 and organic and led	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:31
S85	0	S50 and organic and diod \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:31
S86	0	gas with flow\$4 with plural\$4 with channel\$4 with debris with draw\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/17 11:35
S87	0	gas and flow\$4 and plural \$4 and channel\$4 and debris and draw\$4	JPO	OR	ON	2006/05/17 11:36
S88	17685	b23k026\$.ipc.	JPO	OR	ON	2006/05/17 11:36
S89	0	S88 and (gas and flow\$4 and plural\$4 and channel \$4)	JPO	OR	ON	2006/05/17 12:04
S90	1	S88 and (flow\$4 and plural\$4 and channel\$4)	JPO	OR	ON	2006/05/17 11:37

S91	0	S88 and (flow\$4 and plural\$4 and debris)	JPO	OR	ON	2006/05/17 11:37
S92	3	S88 and (flow\$4 and plural\$4 and partic\$9)	JPO	OR	ON	2006/05/17 12:16
S93	17685	b23k026\$.ipc.	JPO	OR	ON	2006/05/17 12:04
S94	1	S93 and (nozzle and flow\$4 and plural\$4 and channel\$4)	JPO	OR	ON	2006/05/17 12:04
S95	3	((("5368560") or ("5242055") or ("5832595")).PN.	USPAT; USOCR	OR	OFF	2007/04/13 10:23
S96	2	"20020040894"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 11:13
S97	8	((("3617108") or ("3696230") or ("4025787") or ("4179599") or ("5214921") or ("5756962") or ("5837960") or ("5897550")).PN.	USPAT; USOCR	OR	OFF	2006/05/18 10:11
S98	8	S97	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:08
S99	0	S98 and organic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:09
S100	0	S98 and biologic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:09
S101	0	S98 and tissue	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:10
S102	1	S98 and medic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:10
S103	2	"20050189331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:20
S104	1	S103 and transparent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:21

S105	0	S103 and channel with parallel with beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:21
S106	0	S103 and channel with parallel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:22
S107	1	S103 and channel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 10:22
S108	2	"20020040894"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 11:13
S109	0	S108 and opaque	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 11:13
S110	1	S108 and material	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 11:13
S111	1	S108 and diaphragm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 11:13
S112	6197285	b0\$9 b1\$9 b2\$9 b3\$9 b4\$9 b5\$9 b6\$9 b7\$9 b8\$9 b9\$9 f0\$9 f1\$9 f2\$9 f3\$9 f4\$9 f5\$9 f6\$9 f7\$9 f8\$9 f9\$9 g0\$9 g1\$9 g2\$9 g3\$9 g4\$9 g5\$9 g6\$9 g7\$9 g8\$9 g9\$9 h0\$9 h1\$9 h2\$9 h3\$9 h4\$9 h5\$9 h6\$9 h7\$9 h8\$9 h9\$9	JPO	OR	ON	2007/01/06 10:15
S113	27	S112 and laser and nozzle and window and (hole aperture aperture opening)	JPO	OR	ON	2007/04/13 12:48
S114	1	S113 and vacuum	JPO	OR	ON	2007/01/06 10:16
S115	4382	(debris tissue particle particulate) with laser with ablat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 13:49
S116	79	S115 and window with (hole aperture aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:57

S117	60	S116 and laser with (hole aperture apature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:57
S118	2	((("6203539") or ("5906608")).PN.	USPAT; USOCR	OR	OFF	2007/04/13 11:12
S119	42	S115 and window near3 (hole aperture apature)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:50
S120	1	S115 and ((laser beam) with (protect\$4 prevent \$5) near3 (hole aperture apature) with (particle particulate debris expulsion expel\$5 leav \$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:52
S121	14729	(debris tissue particle particulate) with laser with (ablat\$4 drill\$4 cut \$4 textur\$4 irradiat\$5 weld\$4 melt\$4 illuminat \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 12:28
S122	587	S121 and window with (hole aperture apature port passage\$3 opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:57
S123	43	S122 and laser with nozzle with (hole aperture apature port passage\$3 opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 12:25
S124	151	(laser light beam) with nozzle with (pinhole hole aperture apature opening) near3 (window protect\$5 transparent lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 12:28
S125	6	S121 and S124	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 12:29
S126	24	laser with beam near3 (hole aperture apature opening) near3 (gas fluid flow\$3)	JPO	OR	ON	2007/04/13 13:49
S127	0	"20020040894"	JPO	OR	ON	2007/10/17 12:10
S128	0	"200200040894"	JPO	OR	ON	2007/04/13 13:49

S129	2	"20020040894"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:07
S130	1	"2002040894"	JPO	OR	ON	2007/10/17 12:10
S131	11658	(laser electron energy beam) with (plural\$4 multiple several another) adj2 (hole aperture opening window)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:10
S132	7009	(laser electron energy beam) with (plural\$4 multiple several another) adj (hole aperture opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:11
S133	5317	(laser beam) with (plural \$4 multiple several) adj (hole aperture opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:12
S134	1247	(laser beam) near3 (plural \$4 multiple several) adj (hole aperture opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:34
S135	2	"20050189331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:24
S136	0	S135 and plural\$4 with aperture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:24
S137	0	S135 and plural\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:24
S138	2	S135 and aperture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:24
S139	52	(laser adj beam) near3 (plural\$4 multiple several) adj (hole aperture opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:34
S140	70	(laser adj2 beam) same beam near3 (plural\$4 multiple several) adj (hole aperture opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:42

S141	4	(laser adj2 beam) same beam near3 (plural\$4 multiple several) adj (hole aperture opening) same nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:41
S142	0	(laser adj2 beam) same beam near3 (plural\$4 multiple several) adj (hole aperture opening) same window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/17 13:41
S143	4007	(laser beam) and (plural \$4 multiple several) with (hole aperture opening)	JPO	OR	ON	2007/10/17 13:43
S144	119	(laser beam) and (plural \$4 multiple several) with (hole aperture opening) and nozzle	JPO	OR	ON	2007/10/17 13:43
S145	112	(laser beam) and (plural \$4 multiple) with (hole aperture opening) and nozzle	JPO	OR	ON	2007/10/17 13:43
S146	76	(laser beam) and (plural \$4 multiple) near5 (hole aperture opening) and nozzle	JPO	OR	ON	2007/10/17 13:44
S147	7	(laser beam) and (plural \$4 multiple) near5 (hole aperture opening) and nozzle and (reduc\$6 debris deposit\$5)	JPO	OR	ON	2007/10/17 13:48
S148	33	(laser beam) and (plural \$4 multiple) near5 (hole aperture opening) and nozzle and (pass\$4 through\$7)	JPO	OR	ON	2007/10/17 13:48
S149	28	(laser beam) and (plural \$4 multiple) near5 (hole aperture opening) and nozzle and (pass\$4 through\$7) with (hole aperture opening)	JPO	OR	ON	2007/10/17 13:54
S150	490	top with nozzle with (plural\$4 multiple array \$4)	JPO	OR	ON	2007/10/17 13:54
S151	3	top with nozzle with (plural\$4 multiple array \$4) and laser	JPO	OR	ON	2007/10/17 13:55
S152	17	window with (plural\$4 multiple array\$4) near4 (open\$3 aperture hole) and laser	JPO	OR	ON	2007/10/17 13:59

S153	31	nozzle with (plural\$4 multiple array\$4) near4 (open\$3 aperture hole) and laser	JPO	OR	ON	2007/10/17 14:01
S154	0	spray\$4 with nozzle and (plural\$4 multiple array \$4) near4 (open\$3 aperture hole) and (single first) with subsequent\$4	JPO	OR	ON	2007/10/17 14:02
S155	335	spray\$4 with nozzle and (plural\$4 multiple array \$4) near4 (open\$3 aperture hole)	JPO	OR	ON	2007/10/17 14:02
S156	41	spray\$4 with nozzle and (plural\$4 multiple array \$4) with (open\$3 aperture hole) and (subsequent\$4 sequen\$5 switch\$4 next another differ\$5) with (open\$3 aperture hole)	JPO	OR	ON	2007/10/17 14:03
S157	71	laser with plural\$4 adj window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:08
S158	505570	"219"/\$.ccls. "438"/\$.ccls. "29"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:30
S159	118164	"156"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:30
S160	614052	S158 S159	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:30
S161	12	S160 and laser with plural \$4 adj window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:34
S162	12	S161 and window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:32
S163	4	S161 and window and nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:32

S164	31	S160 and sequen\$4 with plural\$4 with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:36
S165	31	S164 and plural\$4 with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:38
S166	106	laser with surg\$6 and plural\$4 with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:39
S167	29	laser with surg\$6 and (laser beam) with plural \$4 with window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:42
S168	0	laser with surg\$6 and (laser beam) with plural \$4 with window and window with debris	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 11:42
S169	37	laser with surg\$6 and (laser beam) with window and window with debris	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 12:28
S171	1	("6902278").PN.	USPAT; USOCR	OR	OFF	2007/10/19 12:25
S172	0	S171 and window with debris	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 12:25
S173	0	S171 and debris	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 12:25
S174	1	S171 and window	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 12:25
S175	129	laser with surg\$6 and (laser beam) with window and window near4 (opening aperture hole)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 12:29
S176	41	laser with plural\$4 adj (window slot slit opening aperture) and (window slot slit opening aperture) with (dirt\$4 debris soil\$3 cloud\$4 clog \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:22

S177	312	laser with (window slot slit opening aperture) with larger near (diameter beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:24
S178	87	laser with (window slot slit opening aperture) with larger near (diameter beam) adj2 (window slot slit opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:24
S179	10	laser with beam near2 (window slot slit opening aperture) with larger near (diameter beam) adj2 (window slot slit opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:26
S180	11	laser with beam with (window mask\$3) with (slot slit opening aperture) with larger near (diameter beam) adj2 (slot slit opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:30
S181	1	laser with beam with (window mask\$3) with (slot slit opening aperture) with smaller near (diameter beam) adj2 (slot slit opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:33
S182	2	laser with beam with (window mask\$3) with (slot slit opening aperture) with flush\$4 near2 gas	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:35
S183	0	laser with beam with nozzle with (slot slit opening aperture) with flush\$4 near2 gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:36
S184	0	laser with beam same nozzle with (slot slit opening aperture) with flush\$4 near2 gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:36
S185	0	laser with beam same nozzle with flush\$4 near2 gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:36
S186	0	laser with beam and nozzle with flush\$4 near2 gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:36

S187	135	laser with beam and nozzle with gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:36
S188	1	laser with beam with nozzle with (slot slit opening aperture) with gas with draw\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:37
S189	15	laser with beam with nozzle with (slot slit opening aperture) with gas near (draw\$3 purg\$4 eject\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:39
S190	166	laser with beam with nozzle and (slot slit opening aperture hole) with (threaded cork screw\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:40
S191	90	laser with beam with nozzle and (slot slit opening aperture hole) near2 (threaded cork screw\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:40
S192	10	laser with beam with nozzle same (slot slit opening aperture hole) near2 (threaded cork screw\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:42
S193	3	laser with beam with nozzle same (slot slit opening aperture hole) with (swirl\$4 rotat\$4) near gas	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:43
S194	0	laser with beam same thread\$3 near nozzle same (swirl\$4 rotat\$4) near3 gas	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:44
S195	0	laser with beam same thread\$3 near nozzle same (swirl\$4 rotat\$4) near3 (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:44
S196	0	laser with beam and thread\$3 near nozzle same (swirl\$4 rotat\$4) near3 (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:45
S197	0	laser with beam and circulat\$4 near3 nozzle same (swirl\$4 rotat\$4) near3 (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:46
S198	221	laser with beam and nozzle with (circulat\$4 swirl\$4 rotat\$4) near3 (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:46

S199	106	laser with beam and nozzle with (circulat\$4 swirl\$4 rotat\$4) near (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:47
S200	8	laser with beam and nozzle with (produc\$3 caus\$3 forc\$3) with (circulat\$4 swirl\$4 rotat\$4) near (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 10:59
S201	2	"20050189331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:54
S202	0	S201 and (organic light emitting) with diode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:54
S203	0	S201 and diode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:54
S204	1	S201 and organic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:55
S205	1	S201 and organic with (light emit\$4 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:55
S206	13	laser with beam with nozzle and oled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 13:59
S207	22	laser with beam with nozzle and (form\$3 produc\$4 manufactur\$5) near2 (oled lcd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 14:10
S208	342	laser with beam with nozzle and ultraviolet with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 14:10
S209	107	laser with beam with nozzle and ultraviolet with laser and ablation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 14:10
S210	19	laser with beam with nozzle and ultraviolet with laser and ablation with gas	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 14:13

S211	0	laser with beam with nozzle and ultraviolet with laser and ablation with (oled lcd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:10
S212	13	laser with beam with nozzle and ultraviolet with laser and (oled lcd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 14:21
S213	66	beam and diameter and smaller and mask	JPO	OR	ON	2007/10/21 09:39
S214	52	beam and diameter with smaller and mask	JPO	OR	ON	2007/10/21 09:39
S215	23	laser and beam and diameter with smaller and mask	JPO	OR	ON	2007/10/21 09:39
S216	11	laser and beam and diameter with smaller with (aperture opening hole) and mask	JPO	OR	ON	2008/01/14 13:05
S217	3	laser and beam and diameter with smaller with (aperture opening hole) with mask	JPO	OR	ON	2007/10/21 09:41
S218	125	laser and beam and diameter with smaller with (aperture opening hole)	JPO	OR	ON	2007/10/21 09:41
S219	280	(laser beam) with diameter with smaller with (aperture opening hole)	JPO	OR	ON	2007/10/21 09:42
S220	39	(laser beam) with diameter with smaller with (aperture opening hole) and (ablat\$4 cut\$4 drill\$4 machining)	JPO	OR	ON	2007/10/21 09:48
S221	11	(laser beam) with diameter with smaller with (aperture opening hole) and (ablat\$4 cut\$4 drill\$4 machining) and (mask\$3 pattern\$4 stencil)	JPO	OR	ON	2007/10/21 09:47
S222	2	(laser beam) with diameter with smaller with (aperture opening hole) and (ablat\$4 cut\$4 drill\$4 machining) and eye\$4	JPO	OR	ON	2007/10/21 09:48
S223	28	S220 not S221	JPO	OR	ON	2007/10/21 09:48

S224	29	laser and (laser beam) with diameter with smaller with (aperture opening hole) and (ablat\$4 cut\$4 drill\$4 machining)	JPO	OR	ON	2007/10/21 09:49
S225	21	S224 not S221	JPO	OR	ON	2007/10/21 09:49
S226	8	laser with beam and nozzle with (produc\$3 caus\$3 forc\$3) with (circulat\$4 swirl\$4 rotat\$4) near (gas fluid medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:00
S227	3	S226 and circulat\$5 with gas with flow and groov\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:01
S228	1	("6288363").PN.	USPAT; USOCR	OR	OFF	2007/10/21 11:01
S229	1	S228 and groov\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:01
S230	0	laser with beam with nozzle and ultraviolet with laser and ablation with oled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:11
S231	36	laser with ablat\$4 with oled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:11
S232	2	laser with ablat\$4 with oled and laser with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:12
S233	1	laser with ablat\$4 with oled and activ\$4 with organic\$5 with optic\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:13
S234	17	laser with ablat\$4 with oled and activ\$4 with organic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/21 11:13
S235	11	laser same nozzle with window with (aperture opening hole)	JPO	OR	ON	2008/01/14 13:15
S236	177	nozzle with window with (aperture opening hole)	JPO	OR	ON	2008/01/14 13:16
S237	13	laser with window with (aperture opening hole) with \$6chang\$5	JPO	OR	ON	2008/01/14 13:21

S238	6	nozzle with window with (aperture opening hole) with \$6chang\$5	JPO	OR	ON	2008/01/14 13:23
S239	68	window with (aperture opening hole) near2 \$6chang\$5	JPO	OR	ON	2008/01/14 13:24
S240	3	window with (aperture opening hole) near2 \$6chang\$5 with (different clean\$4 unobstruct\$4 obstruct\$4 soil\$3 dirt\$1 vapor\$8 evaporat\$3 block\$4)	JPO	OR	ON	2008/01/14 13:26
S241	3	laser with (aperture opening hole) near2 \$6chang\$5 with (different clean\$4 unobstruct\$4 obstruct\$4 soil\$3 dirt\$1 vapor\$8 evaporat\$3 block\$4)	JPO	OR	ON	2008/01/14 13:28
S242	43	laser with (aperture opening hole) near2 (different exchange\$5)	JPO	OR	ON	2008/01/14 13:41
S243	262	(suction vacuum suck\$3) with (aperture opening hole) with (lens window plate) with nozzle	JPO	OR	ON	2008/01/14 13:42
S244	52	(suction vacuum suck\$3) with (aperture opening hole) near2 (lens window plate) with nozzle	JPO	OR	ON	2008/01/14 13:42
S245	1	(suction vacuum suck\$3) with (aperture opening hole) near2 (lens window plate) with nozzle same laser	JPO	OR	ON	2008/01/14 13:44
S246	1	(suction vacuum suck\$3) with (aperture opening hole) near2 (lens window plate) and nozzle with laser	JPO	OR	ON	2008/01/14 13:45
S247	31	(suction vacuum suck\$3) with (aperture opening hole) near2 (lens window plate) and nozzle with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:00
S248	101	(suction vacuum suck\$3) with (lens window plate) with nozzle with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:11

S249	70	(suction vacuum suck\$3) with (window plate) with nozzle with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:01
S250	31	S248 and (lens window plate) with (aperture opening hole)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:11
S251	118	(suction vacuum suck\$3) with (lens window plate) and nozzle same laser with ablat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:11
S252	81	S251 and (lens window plate) with (aperture opening hole)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:12
S253	66	S251 and (lens window plate) with (aperture opening hole) same nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:12
S254	63	S251 and (lens window plate) with (aperture opening hole) with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:12
S255	21	S251 and (lens window plate) with (aperture opening hole) same nozzle same (suction suck\$3 vacuum)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:15
S256	68	S251 and (lens window plate) near3 (aperture opening hole) and nozzle near4 (suction suck\$3 vacuum)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:16
S257	52	S256 not S255	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:16
S258	0	S256 not S255 not (print ink)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:16
S259	0	S256 not S255 not ink	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:16
S260	753	laser with (ablat\$4 machining cut\$4 weld\$4 recrystal\$9) and nozzle near4 (suction suck\$3 vacuum)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:18

S261	105	laser with (ablat\$4 machining cut\$4 weld\$4 recrystal\$9) and laser with nozzle near4 (suction suck\$3 vacuum)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:18
S262	21	laser with (ablat\$4 machining cut\$4 weld\$4 recrystal\$9) and laser with nozzle near4 (suction suck\$3 vacuum) with (debris vapor\$5 particle particulate smoke)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 14:19
S263	1	("5318869").PN.	USPAT; USOCR	OR	OFF	2008/01/23 11:21
S264	1	S263 and ultraviolet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 11:21
S265	52	laser with emulsion with organic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 11:24
S266	1	("6833222").PN.	USPAT; USOCR	OR	OFF	2008/01/23 11:41

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